***Computer Engineer***

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**OBJECTIVE:**

Looking for an organization where I can excel professionally in vision of my educational backdrop and skills. To realize my true potential by working in an environment that is conducive to hard work, development & research oriented.

**ACADEMICS:**

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| ***B.Sc. Computer Engineering***: NUST College of E&ME, Islamabad | **CGPA 3.08/4.0** | **2015-2019** |
| ***F.Sc. (Pre-Engineering):*** Govt. Post Graduate College of science, Faisalabad | **84%** | **2012-2014** |
| ***Matriculation:*** Govt. Laboratory High School, Faisalabad | **76%** | **2010-2012** |

**Professional Work Experience:**

* **W3 Helper-Programming Solutions** [March 2020-present]

W3 Helper-Programming Solutions develop responsive websites and run digital marketing campaigns Our motto is delivering a quality services with custom business supports to clients. I am currently working as **Front End Developer** in its designing and developer Team. My professional experience has helped me gain excellence in:

* + Developed code to convert design wireframes into website elements under supervision
  + Used frameworks for front end development such as Bootstrap, design software such as Photoshop and Dreamweaver and programming languages such as HTML and JavaScript
  + Designing web applications and gained skills in aligning designs with client requirements
  + Fixed front end bugs (HTML, CSS, JavaScript errors).
  + Created and implemented a custom CSS grid system, with CSS media queries for mobile responsiveness.
  + Created multiple websites including portfolio websites and E-commerce sites
* **National Institute of Electronics (NIE), Islamabad** [July 2018 – August 2018]

National Institute of Electronics is a premier design and development organization in the fields of Electronics in Pakistan. During Internship at NIE, I had opportunity to learn:

* GPS OBD II Tracker Configuration.
* OBD2 GPS trackers are plug-and-play GPS tracking devices installed directly into a vehicle's onboard diagnostics port.
* Professional exposure by working with team.

**Final year project:**

* **Implementation of 5G Physical Layer on SDR:**  
  Implemented Filter Bank Multicarrier Modulation (FBMC/OFDM-OQAM) Scheme  
  On Software Defined Radio.
  + USRP N200 will be configured with GNU and MATLAB.
  + Basic modulation schemes will be implemented.
  + Complete FBMC transmitter and receiver is implemented on GNU Radio

**SEMESTER PROJECTS:**

* Developed the firmware for Automated Vehicle Movement Based Street Lighting System using PIC18-F458 Microcontroller to acquire real time ADC data and developed LED switching drivers

(switching the street lights only when a vehicle will pass by it)

* Created Database for hospital management system using SQL server

(HMS is for computerizing the working in Hospital

To Provides easy and effective storage of information related to patients)

* Implement RSA Encryption using C++

(RSA is an asymmetric cryptography algorithm which works on two keys-public key and private key.)

* Modeling and rendering of dining complex of NUST using Blender
* Python Implementation of automatic Tic Tac Toe game using random numbers

(By using two Python modules Numpy and random)

* Create a Responsive Website using HTML, CSS and Bootstrap (Multi device site)
* Create an E-Commerce Website using WordPress

(online shopping store on WordPress using WooCommerce.)

**Certification:**

* **Frontend Fundamentals** [Issued by: Pirple]

(Introduction to HTML and CSS, tools JS bin, Sublime text)

<https://www.credential.net/2b4c678d-5df9-4e0d-b79e-3f7932dc9396>

* **WordPress** [Issued by: DigiSkills | Authorized by: VU]

(Install and use different WordPress plugins, Add and delete multimedia items using WordPress platform, Setup an Ecommerce site using Woo Commerce)

<https://lms.digiskills.pk/MyResults/MyResults.aspx>

* **Python for Data Science and AI** [Issued by: Coursera | Authorized by: IBM]

(Data Science, Python Programming, Numpy and Pandas)

<https://www.coursera.org/account/accomplishments/certificate/UFW2VJG434TH>

* **What is Data Science** [Issued by: Coursera | Authorized by: IBM]

<https://www.coursera.org/account/accomplishments/certificate/ATXX8FXSNRAP>

* **Open Source Tool for Data Science** [Issued by: Coursera | Authorized by: IBM]

(learn about Jupyter Notebooks, RStudio IDE, Apache Zeppelin)

<https://www.coursera.org/account/accomplishments/certificate/8XW57U5VFQNQ>

* **Database and SQL for Data Science**  [Issued by: Coursera | Authorized by: IBM]

(Create and access a database instance on cloud, basic SQL statements, Access databases from Jupyter using Python and work with real world datasets)

<https://www.coursera.org/account/accomplishments/certificate/P6NGVAZP38HV>

* **Python for Financial Analysis** [Issued by: Coursera | Authorized by: The Hong Kong University of Science and Technology]

(Statistical Analysis, Financial Data Analysis, Data Visualization)

<https://www.coursera.org/account/accomplishments/certificate/H9PLB2G59TLP>

* **Introduction to Big Data** [Issued by: Coursera | Authorized by: The University of California San Diego]

<https://www.coursera.org/account/accomplishments/certificate/V6SKTXQ4RML8>

* **AI For Everyone** [Issued by: Coursera | Authorized by: deeplearning.ai]

(Workflow of Machines Learning Project, AI Terminology, AI Strategy)

<https://www.coursera.org/account/accomplishments/certificate/PD4JNHACM97J>

# [Front-End Web UI Frameworks and Tools: Bootstrap 4 [ In progress]](https://www.coursera.org/learn/bootstrap-4/home/welcome)

**CO-CURRICULAR ACTIVITIES:**

* Recitation, Hiking & Traveling, Playing Games (Cricket etc.)
* Learning with Computer Applications / Internet Surfing / MS Office
* Executive Member of SAS EME

**Skills & Tools:**

* Python (NumPy, Pandas, Matplotlib)
* Knowledge of SQL and Databases.
* C, C++ and Object Oriented Programming
* Proficiency in CSS3, HTML5, Bootstrap and WordPress
* Proficiency in JavaScript libraries and frameworks
* Knowledge of responsive and mobile design
* Understanding of web development process (design, develop, deploy)
* Graphic designing (Blender, Unity3D)

**INTERESTS:**

Newspaper| Watching Football, Cricket, Hockey | Socializing | Extra-curricular activities | Playing Cricket|

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